

FIG. 1A (PRIOR ART)

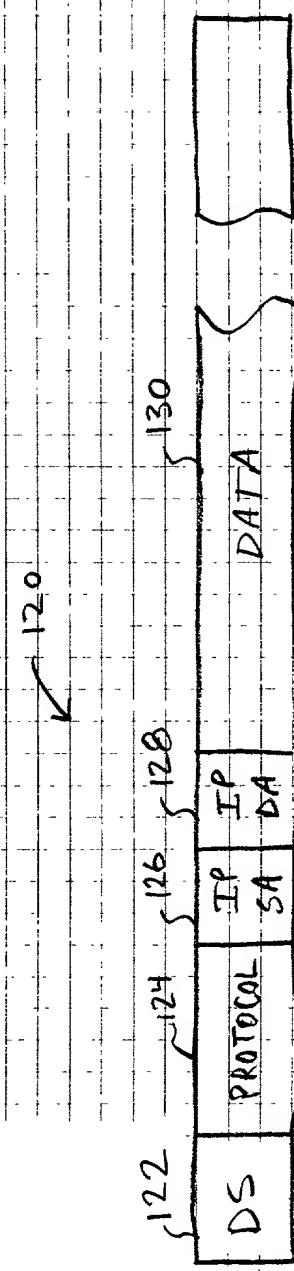


FIG. 1B (PRIOR ART)

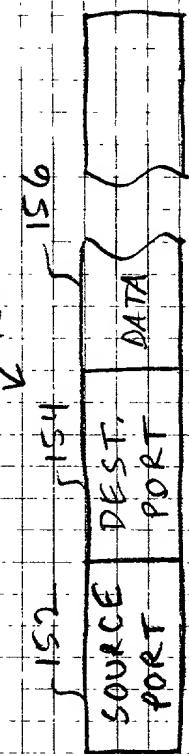


FIG. 1C (PRIOR ART)

200

208

NETWORK  
CLOUD

210

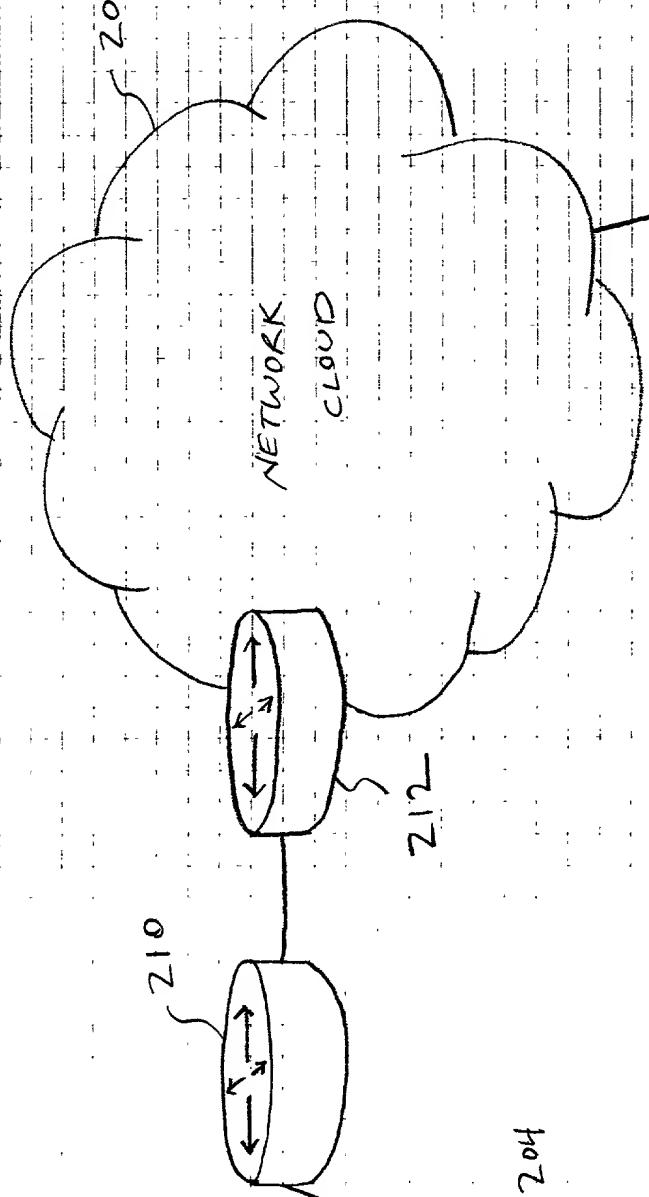
212

204

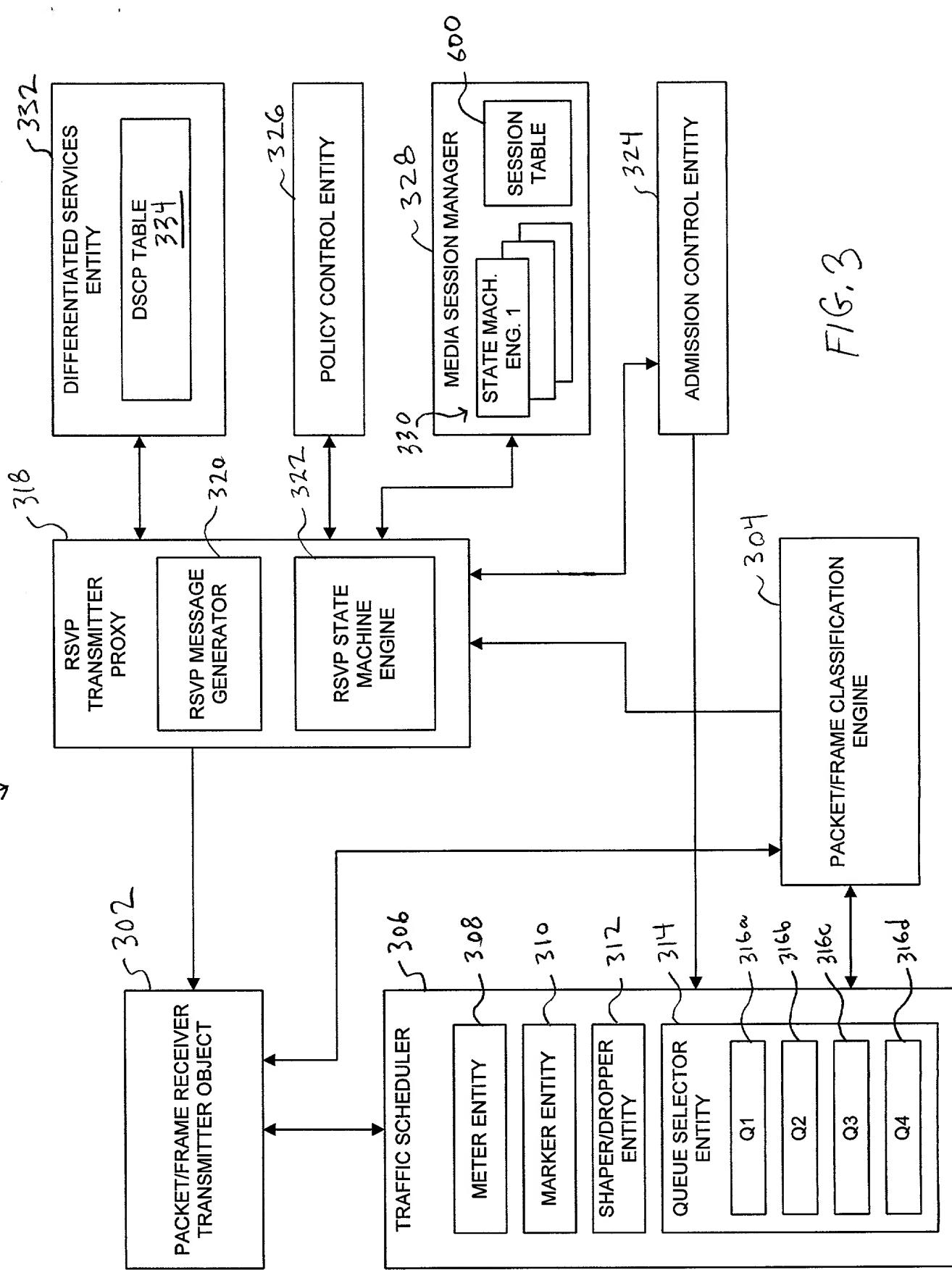
202

206

FIG. 2



206 →



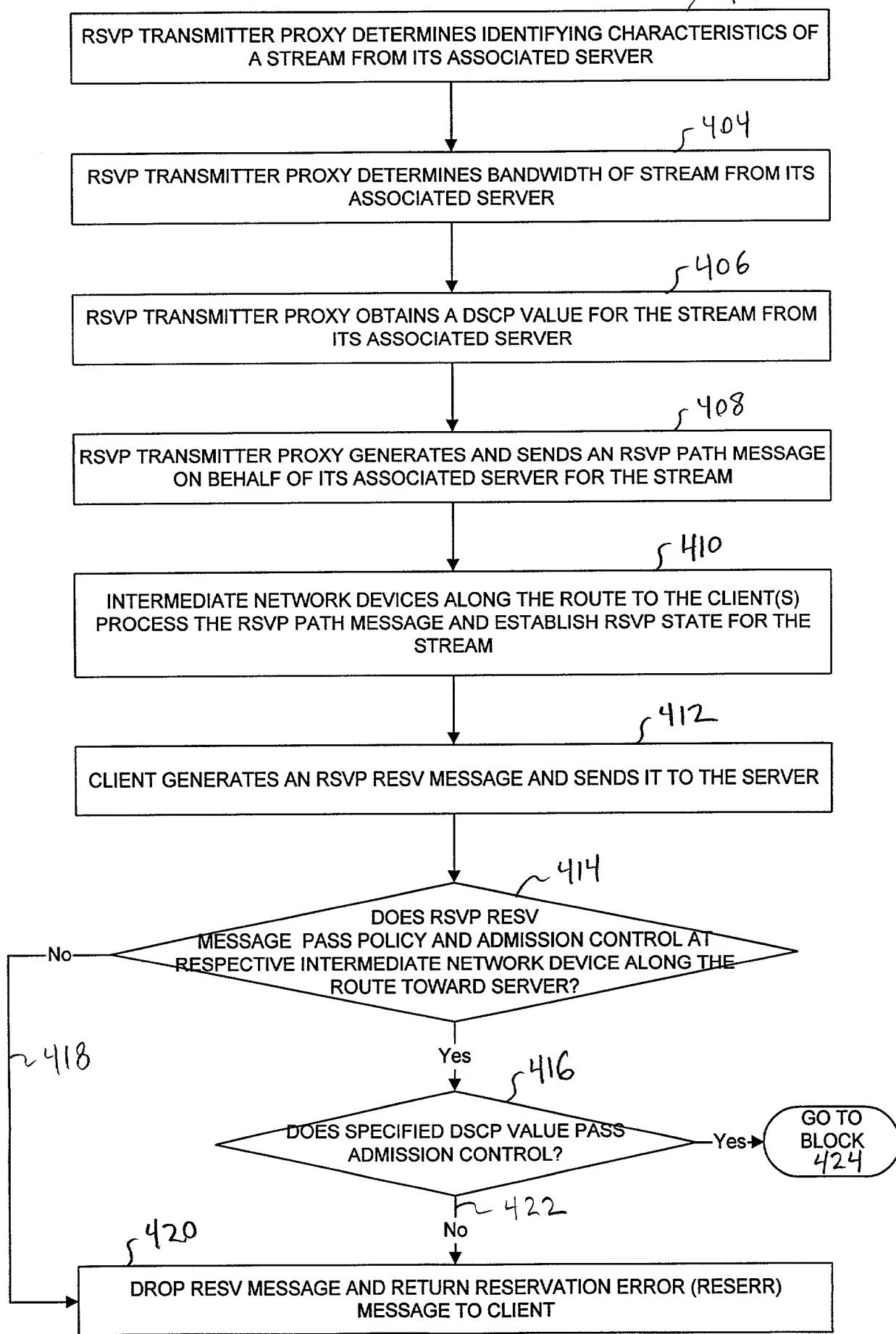


FIG. 4A

INTERMEDIATE DEVICE RESERVES THE SPECIFIED BANDWIDTH, UPDATES ITS RSVP STATE, AND FORWARDS THE RESV MESSAGE TO THE NEXT HOP

✓ 424

RSVP TRANSMITTER PROXY INTERCEPTS THE RSVP RESV MESSAGE BEFORE IT REACHES THE SERVER

✓ 426

RSVP TRANSMITTER PROXY PERFORMS POLICY AND ADMISSION CONTROL ON THE RESERVATION REQUEST AND, IF PERMITTED, ALLOCATES SUFFICIENT RESOURCES AND UPDATE RSVP PATH STATE FOR THE STREAM

✓ 428

✓ 430

IS STREAM STILL ACTIVE?

YES

✓ 432

RE-FRESH RSVP STATE FOR THE STREAM

✓ 434

GENERATE AND SEND RSVP PATHTEAR MESSAGE TO CLIENT

END

FIG. 4B

↙ 500

DESCRIBE rtsp://server.example.com/fizzle/foo RTSP/1.0 ~ 502  
CSeq: 312 ~ 504  
<CRLF> ~ 506

FIG. 5A

↙ 510

512 { RTSP/1.0 200 OK ~ 516  
CSeq: 312 ~ 518  
Date: 23 Jan 1997 15:35:06 GMT ~ 520  
Content-Type: application/sdp ~ 522  
Content-Length: 376 ~ 524  
<CRLF> ~ 526

514 { v=0  
o=mhandley 2890844526 2890842807 IN IP4 126.16.64.4  
s=SDP seminar  
i=A seminar on the session description protocol  
u=http://www.cs.ucl.ac.uk/staff/M.Handley/sdp.03.ps  
e=mjh@isi.edu (Mark Handley)  
c=IN IP4 224.2.17.12/127  
t=2873397496 2873404696  
m=audio 3456 RTP/AVP 0  
a=control:rtsp://audio.server.example.com  
b=CT:128  
m=video 2232 RTP/AVP 31  
a=control:rtsp://video.server.example.com  
b=

FIG. 5B

↙ 530

SETUP rtsp://server.example.com/fizzle/foo RTSP/1.0 ~ 532  
CSeq: 302 ~ 534  
Transport: RTP/AVP;unicast;client\_port=4588-4589 ~ 536

FIG. 5C

↙ 540

RTSP/1.0 200 OK ~ 542  
CSeq: 302 ~ 544  
Date: 23 Jan 1997 15:35:06 GMT ~ 546  
Session: 47112344 ~ 548  
Transport: RTP/AVP;unicast;client\_port=4588-4589;server\_port=6256-6257 ~ 550

FIG. 5D

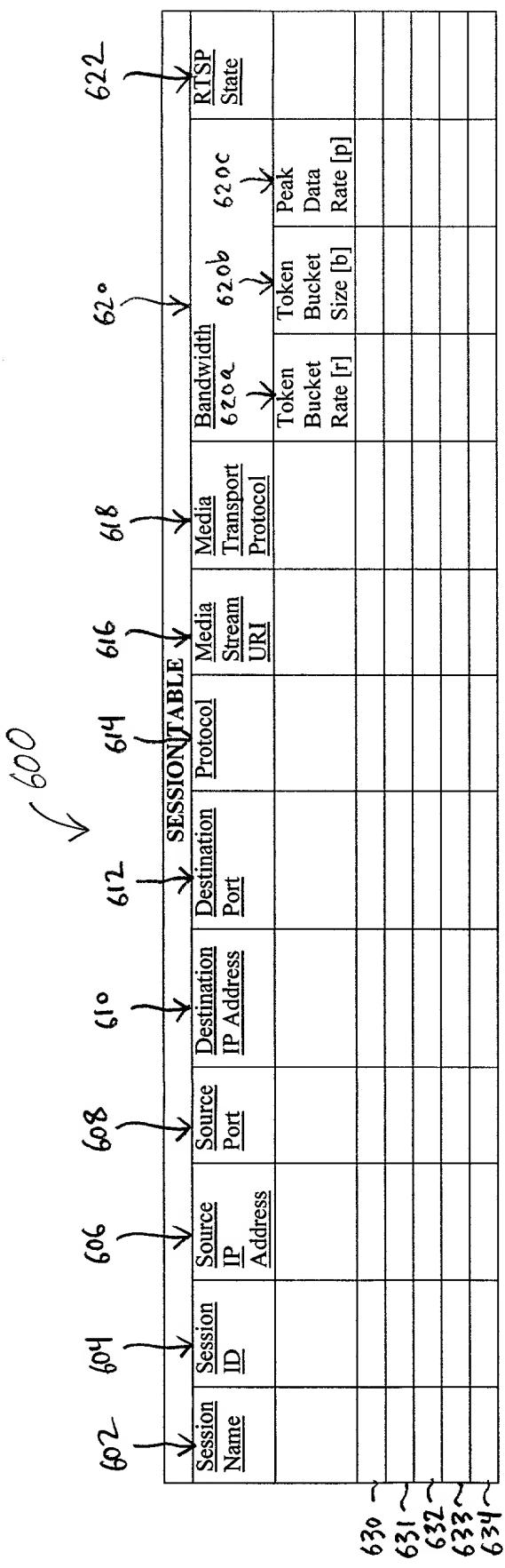


Fig. 6

VERS.	FLAGS	MSG. TYPE	RSVP	CHECKSUM	702	700
SEND TTL	RESV.		RSVP	LENGTH		
720	722		724			
~730		731	732		704	
LENGTH		CLASS- NUM.	C-TYPE			
IP PROT.	FLAGS	DEST:	PORT		734	
735	736		737			
740		741	742		706	
LENGTH		CLASS- NUM	C-TYPE			
IP SOURCE ADDRESS					743	
SOURCE PORT						
744						
748		749	750			
LENGTH		CLASS- NUM	C-TYPE		708	
SERV. HEADER		LEN. OF SERV. I DATA				
PARAM. ID	PARAM. FLAGS	PARAMETER LENGTH				
TOKEN BUCKET RATE					760	
TOKEN BUCKET SIZE					761	
PEAK DATA RATE					762	
MINIMUM POLICED UNIT					763	
MAXIMUM PACKET SIZE					764	
770	771	772			710	
LENGTH		CLASS- NUM	C+TYPE			
UNUSED		1ST DSOP			773	
UNUSED		2ND DSOP			774	FIG. 7